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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XV, No. 11 HELENA INDEPENDENT-RECORD HELENA, MONTANA **November, 1967**

Production of crude oil and condensate from the oil and gas areas of Montana for the month of November, 1967, averaged 107,070 barrels daily, an increase of 8,177 barrels from the average production of 98,893.

The nine refineries in state processed 93,563 barrels of crude oil daily for the month of November, 1967, an increase of 5,614 barrels from the 87,949 barrels processed daily during the month of October, 1967.

During November, 80 wells were completed, 39 oil, 2 gas wells and 39 dry holes.

During November, the commission issued 115 permits to drill new wells, an increase of 6 from the 109 permits issued during October.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF NOVEMBER, 1967

IN STORAGE NOVEMBER 1st	
By Producers	362,224
By Transporters	1,149,746
By Refiners	783,382
TOTAL STORAGE	2,295,352
Produced in Montana During Month	3,212,108
Imported During Month	1,987,380
TOTALS	7,494,840
DISPOSITION:	
Refined in Montana	2,806,892
Exported	2,343,542
Used for Fuel or Lost	11,740
TOTAL	5,162,174
IN STORAGE NOVEMBER 30th	
By Producers	385,448
By Transporters	1,109,959
By Refiners	837,259
TOTAL STORAGE	2,332,666

NATURAL GAS WITHDRAWALS IN MONTANA

Month of November, 1967

Field	M. Cu. Ft.
Bears Den	0
Big Coulee	110,279
Bowdoin	214,054
Bowes	46,844
Cabin Creek	100,968
Cedar Creek	335,676
Cut Bank (Including Reagan)	796,257
Devon	0
Dry Creek	90,322
Elk Basin	94,749
Flat Coulee	9,961
Gold Butte	9,671
Golden Dome	0
Grandview	8,025
Hardin	4,103
Keith Block	372,147
Kevin Sunburst	69,431
Lake Basin	100,486
Middle Butte	3,438
Mt. Lilly	37,591
Pine	67,676
Plevna	12,009
Utopia	111,234
Whitlash	116,639
Miscellaneous	190,265
TOTAL	2,901,825

Total withdrawals for November, 1966 were 3,037,208

PRODUCERS REPORT—MONTH OF NOVEMBER, 1967

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
2	Ash Creek	5	153	4,182	----	3,786	----	549
1	Bannatyne	1	468	205	----	----	----	673
3	Bear's Den	4	2,048	1,142	----	1,392	----	1,798
31	Bell Creek	89	44,681	479,713	466,484	2,502	----	55,408
1	Benrud	1	377	1,221	1,226	----	----	372
1	Benrud East	1	505	9,368	8,707	----	----	1,166
1	Benrud Northeast	1	871	10,148	10,068	----	----	951
1	Berthelote	1	443	392	407	----	----	428
6	Big Wall	23	1,500	22,158	22,387	----	----	1,271
5	Blackfoot	8	1,281	3,944	1,809	1,951	----	1,465
----	Blackfoot East	----	40	----	----	----	----	40
4	Border	6	----	2,396	----	2,396	----	----
1	Bowes	58	3,750	14,833	14,514	----	----	4,069
2	Bradley	2	779	787	770	----	----	796
1	Brady	1	375	114	114	----	----	375
----	Bynum	----	219	----	----	----	----	219
2	Cabin Creek	105	6,779	295,713	295,456	----	----	7,036
16	Cat Creek	75	2,691	19,287	16,004	2,350	72	3,552
1	Clark's Fork	1	165	160	----	174	----	151
2	Conrad South	2	662	1,061	1,061	----	----	662
1	Cupton	1	409	223	----	----	----	632
160	Cut Bank	1,015	84,847	291,845	294,139	370	1,109	81,074
2	Deer Creek	3	1,255	3,114	3,601	----	----	768
1	Delphia	1	624	225	----	378	----	471
----	Devil's Basin	----	714	----	----	----	----	714
17	Dwyer	18	6,818	18,835	18,886	----	----	6,767
4	Elk Basin	58	1,830	229,897	229,030	----	----	2,697
5	Elk Basin Northwest	14	2,283	10,919	9,865	----	----	3,337
4	Fairview	4	5,213	40,462	----	36,863	368	8,444
2	Fertile Prairie	2	774	1,363	1,211	----	----	926
24	Flat Coulee	32	4,260	18,185	17,446	----	----	4,999
39	Flat Lake	56	6,577	78,761	78,488	----	----	6,850
1	Flat Lake South	1	157	1,283	619	----	278	543
2	Frannie	2	----	1,011	1,011	----	----	----
19	Fred & George Creek	41	2,905	83,568	84,206	----	----	2,267
1	Gage	1	765	116	----	232	----	649
4	Gas City	23	5,922	35,893	33,189	----	----	8,626
11	Glendive	14	2,691	40,811	33,363	7,071	----	3,068
22	Goose Lake	30	4,564	65,185	65,367	----	----	4,382
9	Graben Coulee	27	4,259	11,381	9,105	1,564	----	4,971
----	Grandview	----	528	----	----	----	----	528
2	Gypsy Basin	2	1,237	200	200	----	----	1,237
4	Hiawatha	4	3,872	22,969	----	22,341	----	4,500
1	Hibbard	1	591	228	----	403	----	416
6	Ivanhoe	10	1,465	11,895	11,246	----	122	1,992
10	Keg Coulee	26	3,741	18,593	17,936	----	----	4,398
3	Keg Coulee North	3	1,456	1,274	1,781	----	----	949
1	Kelley	2	666	14,169	14,224	----	----	611
123	Kevin Sunburst	655	16,620	32,964	32,448	852	----	16,284
1	Little Beaver	29	----	32,200	32,200	----	----	----
2	Little Beaver East	14	3,245	17,996	18,303	----	----	2,938
3	Lodge Grass	3	1,437	2,656	----	2,792	----	1,301
24	Lookout Butte	76	4,639	143,696	141,961	903	----	5,471
1	Mackay Dome	1	506	232	----	----	----	738
2	Mason Lake	2	649	1,717	1,717	----	----	649
2	Melstone	4	919	1,755	2,279	----	----	395
1	Mineral Bench	1	558	1,678	1,609	----	----	627
2	Miner's Coulee	5	136	1,030	----	758	----	408
11	Monarch	14	3,661	29,093	28,103	----	----	4,651
4	Mosser	4	----	650	----	650	----	----
6	Outlook	11	5,655	26,469	26,711	----	----	5,413
2	Outlook South	2	1,259	1,503	1,483	----	----	1,279
2	Outlook West	2	859	5,096	820	3,675	----	1,460
71	Pennel	116	5,764	151,754	150,645	----	----	6,873
4	Pine	128	17,779	321,133	320,749	----	254	17,909
3	Pole Creek	3	289	3,000	----	3,000	----	289
70	Pondera	294	7,673	27,231	28,606	----	----	6,298
1	Pondera Coulee	1	----	171	171	----	----	----
4	Poplar	66	8,938	57,526	55,992	----	----	10,472
4	Poplar Northwest	5	2,363	1,608	1,636	----	----	2,335
----	Prairie Elk	----	555	----	----	----	----	555
4	Ragged Point	12	3,395	13,700	15,013	----	----	2,082
1	Rattlesnake Coulee	1	767	858	852	----	----	773
4	Reagan	46	1,207	23,234	23,189	----	----	1,252
1	Red Creek	26	----	26,376	26,187	189	----	----
1	Red Fox	1	354	11,400	11,169	----	----	585
1	Redstone	1	895	5,641	5,693	----	----	843
1	Repeat	1	324	1,432	----	1,366	----	390
3	Reserve	3	224	24,524	----	24,198	----	550
1	Richey	1	405	603	755	----	----	253
6	Richey Southwest	8	914	8,138	7,934	----	----	1,118
7	Sand Creek	9	1,976	10,944	10,815	----	----	2,105
1	Shotgun Creek	1	142	341	----	----	----	483
3	Sidney-Brorson	3	1,890	2,354	----	2,774	----	1,470
4	Smoke Creek	5	1,903	8,382	----	8,396	----	1,889
1	Snyder	4	1,050	1,047	----	879	----	1,218
6	Soap Creek	17	2,457	2,061	----	2,002	----	2,516
1	Spring Lake	2	1,269	2,542	----	2,035	----	1,776
2	Stensvad	24	3,508	25,816	25,970	----	----	3,354
27	Sumatra	86	11,564	60,710	60,366	----	----	11,908
5	Tule Creek	7	2,608	36,712	6,598	29,957	----	2,765
2	Tule Creek East	2	764	23,844	----	23,509	----	1,099
2	Tule Creek South	3	836	6,502	----	6,573	12	753
2	Vida	2	551	1,389	831	----	----	1,109
4	Volt	6	1,932	18,017	18,160	----	----	1,789
2	Weed Creek	4	1,172	16,586	16,819	----	139	800
5	Weldon	16	2,256	106,265	107,353	----	----	1,168
20	Whitlash	45	6,489	20,785	19,646	----	----	7,628
3	Whitlash West	3	508	765	558	----	----	715
2	Wills Creek South	2	1,437	6,152	7,158	----	----	431
7	Wolf Springs	10	4,706	9,353	9,527	----	----	4,532
5	Woodrow	5	225	2,107	1,860	----	----	472
1	Wildcat, Carbon Cty	1	797	267	----	291	----	773
1	Wildcat, Glacier Cty	3	74	641	----	522	----	193
1	Wildcat, Richland Cty	1	1,251	500	----	500	----	1,251
1	Wildcat, Roosevelt Cty	1	191	204	----	197	----	198
1	Wildcat, Sheridan Cty	1	469	1,529	----	933	----	1,065
918	Total	3,574	362,224	3,212,108	2,985,806	200,724	2,354	385,448

Total Oil Produced & Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1966	35,380,118	96,931	35,353,673	96,859
First Quarter, 1967	8,269,076	91,878	8,253,252	91,702
Second Quarter, 1967	8,227,117	90,407	8,237,583	90,522
Third Quarter, 1967	8,715,614	94,735	8,693,544	94,495
October, 1967	3,065,712	98,893	3,045,857	98,253
November, 1967	3,212,108	107,070	3,186,530	106,217

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil In Storage*
December, 1966	337,546	1,034,375	584,580	1,956,501
March, 1967	345,817	1,086,767	636,377	2,068,961
June, 1967	332,175	1,232,696	846,701	2,411,572
September, 1967	346,297	987,145	614,613	1,948,055
October, 1967	362,224	1,149,746	783,382	2,295,352
November, 1967	385,448	1,109,959	837,259	2,332,666

*Includes Wyoming Oil

TRANSPORTERS REPORT—MONTH OF NOVEMBER, 1967

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			3,786				3,786		
BEAR'S DEN—Truck			1,392					1,392	
BELL CREEK—Pipelines	7,745	466,484					474,229		
Truck			2,502				2,502		
	7,745	466,484	2,502				476,731		
BIG WALL—									
Continental Pipeline Co.		22,387				22,387			
BLACKFOOT—									
Camerland Cardinal Corp.			1,951			1,951			
Union Oil Co.		1,809				1,809			
		1,809	1,951			3,760			
BORDER—Truck			2,396				2,396		
BOWES—Texaco		14,514				14,514			
CABIN CREEK & OTHERS*									
Butte Pipeline Co.	308,570	976,910	9,340	781,275			1,765,644		310,451
Shell Pipeline Co.	4,902	321,588			(751)			321,215	6,026
	313,472	1,298,498	9,340	781,275	(751)		1,765,644	321,215	316,477
CAT CREEK—									
Continental Pipeline Co.		16,004				16,004			
Truck			2,350			2,350			
		16,004	2,350			18,354			
CLARK'S FORK—Truck			174				174		
CUT BANK—									
Continental Pipeline Co.			3,733	440,849				444,582	
Phillips Petroleum Co.	51,868	122,720			2,581	119,898			52,109
Texas Pipeline Co.	39,550	115,377		24,240	774			158,623	19,770
Union Oil Co.	43,736	78,107		41,488	718	81,980			80,633
Western Oil Trans. Co.		51,127						51,127	
Western Oil Trans. (Moulton)		48,025						48,025	
	135,154	415,356	3,733	506,577	4,073	201,878		702,357	152,512
DELPHIA—Truck			378			378			
DWYER—Portal Pipeline Co.		19,309					19,309		
ELK BASIN & ELK BASIN NORTHWEST—									
Marathon Pipeline Co.		238,889				238,889			
FAIRVIEW—Truck			36,863				36,863		
FLAT COULEE—									
Camerland Cardinal Corp.		14,174				14,174			
FLAT LAKE & FLAT LAKE SOUTH—									
Portal Pipeline Co.		72,444					72,444		
FRANNIE—Interstate Pipeline Co.		1,011					1,011		
FRED & GEORGE CREEK—									
Camerland Cardinal Corp.	12,024	84,079				10,751		75,918	9,434
GAGE & GAGE S.W.—Truck			232			232			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	7,128	33,610			233			33,018	7,487
GOOSE LAKE—									
Portal Pipeline Co.		63,249					63,249		
HIAWATHA—Truck			22,341				22,341		
HIBBARD—Truck			403			403			
IVANHOE—									
Continental Pipeline Co.		11,077				8,929	2,148		
KEG COULEE & KEG COULEE NORTH—									
Continental Pipeline Co.		20,610				13,790	6,820		
KELLEY—									
Continental Pipeline Co.		14,697				14,697			
KEVIN SUNBURST—									
Big West Oil Co.	3,821	32,540				32,540			3,821
Homestake Oil & Gas Co.	386	2,038							2,424
Texas Pipeline Co.	7,667	12,432			1,079			11,605	7,415
	11,874	47,010			1,079	32,540		11,605	13,660
LODGE GRASS—Truck			2,792			2,792			
MASON LAKE—									
Continental Pipeline Co.		1,717				1,717			
MELSTONE—									
Continental Pipeline Co.		2,279				2,279			
MOSSER—Truck			650				650		
OUTLOOK WEST—									
Rock Island Oil & Ref. Co.			3,675				3,675		
POLE CREEK—Truck			3,000				3,000		
PONDERA—Phillips Petr. Co.	23,835	30,130			592	26,193			27,230
POPLAR, BENRUD, BENRUD EAST, OUTLOOK, OUTLOOK SOUTH, OUTLOOK WEST, RED FOX, REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT									
East Poplar Gathering System	18,009	181,326			475			185,392‡	13,468
RAGGED POINT—									
Continental Pipeline Co.		12,190				1,302	10,888		
RED CREEK—									
Western Oil Transportation Co.		31,609						31,609	
RESERVE—Truck			24,198				24,198		
SIDNEY-BRORSON—Truck			2,774					2,774	
SMOKE CREEK—									
Rock Island Oil & Ref. Co.			8,396				8,396		
SNYDER—Truck			879				879		
SOAP CREEK—Truck			2,002				2,002		
SPRING LAKE—									
Rock Island Oil & Ref. Co.			2,035				2,035		
SUMATRA & STENSVAD—									
Continental Pipeline Co.	615,838	80,085		265,837	3,386	168,990		224,201	565,183
TULE CREEK—									
Tesero Petr. Corp.	4,617		60,039			60,148			4,508
WEED CREEK—									
Continental Pipeline Co.		16,230				16,230			
WHITLASH & WHITLASH WEST—									
Camerland Cardinal Corp.		22,304				21,017		1,287	
WOLF SPRINGS—									
Continental Pipeline Co.		9,527				9,527			
WILDCAT WELLS—Truck			2,443				2,443		
TOTALS	1,149,746	3,242,603	200,724	1,553,689	9,087	905,871	2,531,082	1,590,768	1,109,959

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest, Weldon and Wills Creek South.

‡Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF NOVEMBER, 1967

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Tesoro Petr. Corp.	Union Oil Co.	Total
Big Wall				22,387						22,387
Bowes			14,514							14,514
Cat Creek		10,892		11,750		2,928				25,570
Cut Bank	37,966						99,816		64,096	201,878
Delphia						340				340
Dry Creek						19				19
Elk Basin		96,117		60,938	81,833					238,888
Flat Coulee									14,174	14,174
Fred & George Creek	10,751									10,751
Gage & Gage S.W.						131				131
Hibbard						272				272
Ivanhoe		8,929								8,929
Keg Coulee				11,549						11,549
Kelley					14,697					14,697
Kevin Sunburst	32,540									32,540
Lodge Grass		2,792								2,792
Mason Lake		1,717								1,717
Melstone				2,278						2,278
Pondera							26,193			26,193
Ragged Point		502		800						1,302
Sand Creek						591				591
Sumatra & Stensvad		12,355		47,943	13,232					73,530
Tule Creek								60,148		60,148
Weed Creek					16,230					16,230
Whitlash							21,017			21,017
Wolf Springs					17,075					17,075
Total Montana Oil	81,257	133,304	14,514	157,645	143,067	4,281	147,026	60,148	78,270	819,512
Canadian Oil Imported		440,849								440,849
Wyoming Oil Imported				509,539	1,036,992					1,546,531
Total Montana, Canadian, and Wyoming Oil	81,257	574,153	14,514	667,184	1,180,059	4,281	147,026	60,148	78,270	2,806,892

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1966	29,111	12,832	49,643	91,586
November, 1966	28,562	6,450	53,792	88,804
November, 1967	27,317	14,695	51,551	93,563

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
31.78%	14.02%	54.20%
32.16%	7.27%	60.57%
29.19%	15.72%	55.09%